OIPE

RAW SEQUENCE LISTING   DATE: 11/02/2001
PATENT APPLICATION: US/09/982,172   TIME: 15:48:43

Input Set : A:\es.txt
Output Set: N:\CRF3\11022001\I982172.raw

ENTERED

```
 3 <110> APPLICANT: Emil Israel Katz
 5 <120> TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND
ANTIBODIES
 6        DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING AND
 7        UTILIZING EACH
 9 <130> FILE REFERENCE: 01/22283
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/982,172
C--> 11 <141> CURRENT FILING DATE: 2001-10-19
11 <160> NUMBER OF SEQ ID NOS: 253
13 <170> SOFTWARE: PatentIn version 3.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 7
17 <212> TYPE: PRT
18 <213> ORGANISM: Artificial sequence
20 <220> FEATURE:
21 <223> OTHER INFORMATION: Computer generated synthetic peptide
23 <400> SEQUENCE: 1
25 Met Asp Leu Glu Gly Asp Arg
26 1               5
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 5
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Computer generated synthetic peptide
37 <400> SEQUENCE: 2
39 Asn Gly Gly Ala Lys
40 1               5
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 1
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Computer generated synthetic peptide
51 <400> SEQUENCE: 3
53 Lys
54 1
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 1
59 <212> TYPE: PRT
60 <213> ORGANISM: Artificial sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Computer generated synthetic peptide
65 <400> SEQUENCE: 4
67 Lys
68 1
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 4
```

RAW SEQUENCE LISTING   DATE: 11/02/2001
PATENT APPLICATION: US/09/982,172   TIME: 15:48:43

Input Set : A:\es.txt
Output Set: N:\CRF3\11022001\I982172.raw

```
 73 <212> TYPE: PRT
 74 <213> ORGANISM: Artificial sequence
 76 <220> FEATURE:
 77 <223> OTHER INFORMATION: Computer generated synthetic peptide
 79 <400> SEQUENCE: 5
 81 Asn Phe Phe Lys
 82 1
 85 <210> SEQ ID NO: 6
 86 <211> LENGTH: 4
 87 <212> TYPE: PRT
 88 <213> ORGANISM: Artificial sequence
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: Computer generated synthetic peptide
 93 <400> SEQUENCE: 6
 95 Leu Asn Asn Lys
 96 1
 99 <210> SEQ ID NO: 7
100 <211> LENGTH: 3
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Computer generated synthetic peptide
107 <400> SEQUENCE: 7
109 Ser Glu Lys
110 1
113 <210> SEQ ID NO: 8
114 <211> LENGTH: 2
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Computer generated synthetic peptide
121 <400> SEQUENCE: 8
123 Asp Lys
124 1
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 1
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Computer generated synthetic peptide
135 <400> SEQUENCE: 9
137 Lys
138 1
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 2
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Computer generated synthetic peptide
```

Input Set : A:\es.txt
Output Set: N:\CRF3\11022001\I982172.raw

```
149 <400> SEQUENCE: 10
151 Glu Lys
152 1
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 1
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Computer generated synthetic peptide
163 <400> SEQUENCE: 11
165 Lys
166 1
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 10
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Computer generated synthetic peptide
177 <400> SEQUENCE: 12
179 Pro Thr Val Ser Val Phe Ser Met Phe Arg
180 1               5                   10
183 <210> SEQ ID NO: 13
184 <211> LENGTH: 7
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Computer generated synthetic peptide
191 <400> SEQUENCE: 13
193 Tyr Ser Asn Trp Leu Asp Lys
194 1               5
197 <210> SEQ ID NO: 14
198 <211> LENGTH: 47
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Computer generated synthetic peptide
205 <400> SEQUENCE: 14
207 Leu Tyr Met Val Val Gly Thr Leu Ala Ala Ile Ile His Gly Ala Gly
208 1               5                   10                  15
211 Leu Pro Leu Met Met Leu Val Phe Gly Glu Met Thr Asp Ile Phe Ala
212             20                  25                  30
215 Asn Ala Gly Asn Leu Glu Asp Leu Met Ser Asn Ile Thr Asn Arg
216             35                  40                  45
219 <210> SEQ ID NO: 15
220 <211> LENGTH: 18
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Computer generated synthetic peptide
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/982,172

DATE: 11/02/2001
TIME: 15:48:43

Input Set : A:\es.txt
Output Set: N:\CRF3\11022001\I982172.raw

227 <400> SEQUENCE: 15
229 Ser Asp Ile Asn Asp Thr Gly Phe Phe Met Asn Leu Glu Glu Asp Met
230 1   5   10   15
233 Thr Arg
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 29
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Computer generated synthetic peptide
245 <400> SEQUENCE: 16
247 Tyr Ala Tyr Tyr Tyr Ser Gly Ile Gly Ala Gly Val Leu Val Ala Ala
248 1   5   10   15
251 Tyr Ile Gln Val Ser Phe Trp Cys Leu Ala Ala Gly Arg
252   20   25
255 <210> SEQ ID NO: 17
256 <211> LENGTH: 4
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Computer generated synthetic peptide
263 <400> SEQUENCE: 17
265 Gln Ile His Lys
266 1
269 <210> SEQ ID NO: 18
270 <211> LENGTH: 2
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Computer generated synthetic peptide
277 <400> SEQUENCE: 18
279 Ile Arg
280 1
283 <210> SEQ ID NO: 19
284 <211> LENGTH: 1
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Computer generated synthetic peptide
291 <400> SEQUENCE: 19
293 Lys
294 1
297 <210> SEQ ID NO: 20
298 <211> LENGTH: 8
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Computer generated synthetic peptide
305 <400> SEQUENCE: 20

RAW SEQUENCE LISTING   DATE: 11/02/2001
PATENT APPLICATION: US/09/982,172   TIME: 15:48:43

Input Set : A:\es.txt
Output Set: N:\CRF3\11022001\I982172.raw

307 Gln Phe Phe His Ala Ile Met Arg
308 1   5
311 <210> SEQ ID NO: 21
312 <211> LENGTH: 17
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Computer generated synthetic peptide
319 <400> SEQUENCE: 21
321 Gln Glu Ile Gly Trp Phe Asp Val His Asp Val Gly Glu Leu Asn Thr
322 1   5   10   15
325 Arg
329 <210> SEQ ID NO: 22
330 <211> LENGTH: 7
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Computer generated synthetic peptide
337 <400> SEQUENCE: 22
339 Leu Thr Asp Asp Val Ser Lys
340 1   5
343 <210> SEQ ID NO: 23
344 <211> LENGTH: 8
345 <212> TYPE: PRT
346 <213> ORGANISM: Artificial sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Computer generated synthetic peptide
351 <400> SEQUENCE: 23
353 Ile Asn Glu Gly Ile Gly Asp Lys
354 1   5
357 <210> SEQ ID NO: 24
358 <211> LENGTH: 21
359 <212> TYPE: PRT
360 <213> ORGANISM: Artificial sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: Computer generated synthetic peptide
365 <400> SEQUENCE: 24
367 Ile Gly Met Phe Phe Gln Ser Met Ala Thr Phe Phe Thr Gly Phe Ile
368 1   5   10   15
371 Val Gly Phe Thr Arg
372   20
375 <210> SEQ ID NO: 25
376 <211> LENGTH: 3
377 <212> TYPE: PRT
378 <213> ORGANISM: Artificial sequence
380 <220> FEATURE:
381 <223> OTHER INFORMATION: Computer generated synthetic peptide
383 <400> SEQUENCE: 25
385 Gly Trp Lys

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/982,172

DATE: 11/02/2001
TIME: 15:48:44

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\11022001\I982172.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date